

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

- 1 1. (Original) A portable image transfer system comprising:
2 a digital still camera, at a remote station, which captures images in digital form
3 and stores the images in a camera memory;
4 a cellular telephone transmitter;
5 a central processing unit (CPU) coupled to the camera memory and the cellular
6 telephone transmitter, wherein the CPU controls the camera memory to cause it to output data
7 representing an image and the CPU controls the cellular telephone transmitter to cause a cellular
8 telephone to transmit the data output from the camera memory;
9 a receiving station coupled to the cellular telephone transmitter by a cellular
10 network to receive image data;
11 means, at the receiving station, for image processing;
12 means for resetting the camera memory to be reused for subsequent images once
13 an image is transmitted to the receiving station;
14 a return link for sending commands from the receiving station to the CPU,
15 wherein the commands are directions for obtaining further images as needed by the means for
16 image processing; and
17 an image storage device coupled to the receiving station to store images received
18 by the receiving station.
- 1 2. (Original) The apparatus of claim 1, wherein the CPU interfaces to a
2 camera memory of an existing digital still camera.

Appl. No. 09/656,039

Supplemental Amdt. sent February 4, 2005

PATENT

1 3. (Original) The apparatus of claim 1, wherein the cellular telephone
2 transmitter comprises:

3 a standard cellular telephone; and

4 a cellular modem.

1 4. (Original) The apparatus of claim 1, further comprising means for
2 packaging images as electronic mail messages prior to transmission by the cellular telephone
3 transmitter.

1 5. (Original) The apparatus of claim 1, further comprising means for
2 handling a serial line interface protocol connection between the cellular telephone transmitter
3 and the receiving station.

1 6. (Original) The apparatus of claim 1, further comprising means for
2 encrypting image data prior to transmission by the cellular telephone transmitter.

1 7. (Previously presented) The apparatus of claim 1, further comprising a
2 means for causing the digital still camera to capture images on a periodic basis, wherein the CPU
3 is programmed to periodically transmit an image to free the camera memory for accepting
4 subsequent images.

1 8. (Original) The apparatus of claim 1, further comprising means for
2 determining a location of the portable image transfer system and means for including a location
3 indication with each image.

1 9. (Original) The apparatus of claim 1, wherein the commands represent
2 user directions to be displayed at the remote station directing the user to capture additional
3 images as needed by the means for image processing.

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

1 10. (Original) The apparatus of claim 1, wherein the commands are directions
2 directed at the remote station directing the digital still camera or CPU to capture additional
3 image data as needed by the means for image processing.

1 11. (Original) The apparatus of claim 1, further comprising a remote printing
2 device for printing images processed by the receiving station.

1 12. (Original) The apparatus of claim 11, wherein the remote printing device
2 is one of a facsimile machine, a digital copier or a printer.

1 13. (Original) The apparatus of claim 8, further comprising means, within the
2 receiving station, for using the location indication as a variable when processing said each image.

1 14. (Original) A portable image transfer system comprising:
2 a digital still camera, at a remote station, which captures images in digital form
3 and stores the images in a camera memory;
4 a cellular telephone transmitter;
5 a central processing unit (CPU) coupled to the camera memory and the cellular
6 telephone transmitter, wherein the CPU controls the camera memory to cause it to output data
7 representing an image and the CPU controls the cellular telephone transmitter to cause a cellular
8 telephone to transmit the data output from the camera memory;
9 a receiving station coupled to the cellular telephone transmitter by a cellular
10 network to receive image data;
11 means, at the receiving station, for image processing;
12 means for resetting the camera memory to be reused for subsequent images;
13 a return link for sending commands from the receiving station to the CPU,
14 wherein the commands are directions for obtaining further images as needed by the means for
15 image processing; and
16 an image storage device coupled to the receiving station to store images received
17 by the receiving station.

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

1 15. (Original) The apparatus of claim 14, wherein the CPU is configured to
2 format the images into electronic mail messages prior to transmission by the cellular telephone
3 transmitter.

1 16. (Original) The apparatus of claim 14, further comprising a component to
2 provide location information relating to the location of the portable image transfer system, the
3 CPU being configured to include location information with each image.

1 17. (Previously presented) A portable image transfer system comprising:
2 a digital still camera, at a remote station, which captures one or more images in
3 digital form and stores the images in a camera memory;
4 a cellular telephone transmitter for communication with a receiving station;
5 a central processing unit (CPU); and
6 a return link for receiving commands from the receiving station to the CPU,
7 the CPU being coupled to the camera memory and the cellular telephone
8 transmitter, the CPU being configured to control the camera memory to produce output data
9 representing the images formatted as one or more electronic mail messages, the CPU further
10 being configured to control the cellular telephone transmitter to transmit the output data from the
11 camera memory to the receiving station.

1 18. (Original) The portable image transfer system of claim 17 wherein the
2 one or more electronic mail messages is provided in MIME format.

1 19. (Original) The portable image transfer system of claim 17 further
2 including means for connecting to the receiving station using a predetermined communication
3 protocol.

1 20. (Original) The portable image transfer system of claim 17 wherein the
2 CPU is further configured to connect to an external printing device via the cellular telephone
3 transmitter.

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

1 21. (Previously presented) A portable image transfer system comprising:
2 a digital still camera, at a remote station, which captures one or more images in
3 digital form and stores the images in a camera memory;
4 a cellular telephone transmitter for communication with a receiving station;
5 circuitry to produce information relating to the location of the portable image
6 transfer system;
7 a central processing unit (CPU); and
8 a return link for receiving commands from the receiving station to the CPU,
9 the CPU being coupled to the camera memory, to the circuitry, and to the cellular
10 telephone transmitter, the CPU being configured to control the camera memory to produce
11 output data representing a combination of the images and the location information, the CPU
12 further being configured to control the cellular telephone transmitter to transmit the output data
13 from the camera memory to the receiving station.

1 22. (Original) The portable image transfer system of claim 21 wherein the
2 output data represent the images and the location information in an electronic mail message.

1 23. (Original) The portable image transfer system of claim 21 further
2 including means for connecting to the receiving station using a predetermined communication
3 protocol.

1 24. (Original) The portable image transfer system of claim 21 wherein the
2 CPU is further configured to connect to an external printing device via the cellular telephone
3 transmitter.

1 25. (Currently amended) A portable image transfer apparatus comprising:
2 a cellular telephone transmitter component;
3 an image capture component for producing digital images;
4 a memory operatively coupled to the image capture interface to receive and store
5 one or more digital images;

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

6 a controller coupled to the memory and to the cellular telephone transmitter
7 component, the controller configured to produce output data representing the images, the
8 controller further configured to control the cellular telephone transmitter component to
9 communicate with a receiving station to transmit the output data from the memory to the
10 receiving station; and

11 a return link for receiving commands from the receiving station[.],
12 wherein the output data is transmitted to the receiving station when the receiving
13 station transmits a first command to the portable image transfer apparatus.

1 26. (Previously presented) The portable image transfer system of claim 25
2 wherein the image capture component is a digital camera.

1 27. (Previously presented) The portable image transfer system of claim 25
2 wherein the image capture component is an interface to a digital camera.

1 28. (Previously presented) The portable image transfer system of claim 25
2 wherein the controller is further configured to receive one or more images from the receiving
3 station.

1 29. (Previously presented) The portable image transfer system of claim 25
2 wherein the controller is further configured to communicate with the receiving station using a
3 predetermined communication protocol.

1 30. (Previously presented) The portable image transfer system of claim 25
2 wherein the controller is further configured to communicate with the receiving station to send the
3 image over the Internet.

1 31. (Previously presented) The portable image transfer system of claim 25,
2 wherein the controller is further configured to format the images into one or more electronic mail
3 messages prior to transmission by the cellular telephone transmitter.

1 32. (Previously presented) The portable image transfer system of claim 31
2 wherein the one or more electronic mail messages is provided in MIME format.

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

1 33. (Previously presented) The portable image transfer system of claim 25,
2 wherein the cellular telephone transmitter comprises a standard cellular telephone and a cellular
3 modem.

1 34. (Previously presented) The portable image transfer system of claim 25,
2 wherein the controller is further configured to encrypt image data prior to transmission by the
3 cellular telephone transmitter.

1 35. (Previously presented) The portable image transfer system of claim 25,
2 wherein the controller is further configured to control the image capture device to periodically
3 capture images and to periodically transmit image data to the receiving station.

1 36. (Currently amended) A telecommunication system comprising:
2 a communication component for receiving image data originating from a cellular
3 telephone device;
4 an image data store for storing the image data;
5 a return link for sending commands to the cellular telephone device; and
6 a controller coupled to the communication component and to the image data store,
7 the controller configured to process the image data and to communicate the image data over the
8 Internet to a receiving station[.],
9 wherein the image data is transmitted to the receiving station when the receiving
10 station transmits a first command to the cellular telephone device.

1 37. (Currently amended) A telecommunication system comprising:
2 a communication component for receiving image data originating from a cellular
3 telephone device;
4 an image data store for storing the image data;
5 a return link for sending commands to the cellular telephone device; and
6 a controller coupled to the communication component and to the image data store,
7 the controller configured to process the image data and to communicate the image data over the
8 Internet to a receiving station.

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

9 wherein the cellular telephone device is an image transfer apparatus as recited in
10 claim 25[.],

11 wherein the image data is transmitted to the receiving station when the receiving
12 station transmits a first command to the cellular telephone device.

1 38. (Previously presented) An image processing system comprising:
2 a communication component for receiving image data originating from a cellular
3 telephone device, the cellular telephone device comprising an image transfer apparatus as recited
4 in claim 25;
5 an image data store for storing the image data; and
6 a controller coupled to the communication component and to the image data store,
7 the controller configured to process the image data and to communicate the image data over the
8 Internet.

1 39. (Previously presented) The image processing system of claim 38 wherein
2 the controller is further configured to transmit one or more images to the cellular telephone
3 device.

1 40. (Previously presented) An image processing system comprising:
2 a communication component for receiving image data originating from a cellular
3 telephone device, the cellular telephone device comprising an image transfer apparatus as recited
4 in claim 27;
5 an image data store for storing the image data; and
6 a controller coupled to the communication component and to the image data store,
7 the controller configured to process the image data and to communicate the image data over the
8 Internet.

1 41. (Previously presented) The apparatus of claim 1 wherein the return link is
2 further for sending commands from the CPU to the receiving station.

1 42. (Previously presented) The apparatus of claim 14 wherein the return link
2 is further for sending commands from the CPU to the receiving station.

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

1 43. (Previously presented) The portable image transfer system of claim 17
2 wherein the return link is further for sending commands from the CPU to the receiving station.

1 44. (Previously presented) The portable image transfer system of claim 21
2 wherein the return link is further for sending commands from the CPU to the receiving station.

1 45. (Previously presented) The portable image transfer system of claim 25
2 wherein the return link is further for sending commands to the receiving station.

1 46. (Previously presented) The telecommunication system of claim 36
2 wherein the return link is further for sending commands from the cellular telephone device.

1 47. (Currently amended) A portable image transfer system comprising:
2 a digital still camera, at a remote station, which captures one or more images in
3 digital form and stores the images in a camera memory;
4 a cellular telephone transmitter for communication with a receiving station;
5 a central processing unit (CPU); and
6 a link for receiving data from the receiving station to the CPU,
7 the CPU being coupled to the camera memory and the cellular telephone
8 transmitter, the CPU being configured to control the camera memory to produce output data
9 representing the images formatted as one or more electronic mail messages, the CPU further
10 being configured to control the cellular telephone transmitter to transmit the output data from the
11 camera memory to the receiving station[.],

12 wherein the output data is transmitted to the receiving station when the receiving
13 station transmits a first command to the portable image transfer system.

1 48. (Previously presented) The portable image transfer system of claim 47
2 wherein the one or more electronic mail messages is provided in MIME format.

1 49. (Previously presented) The portable image transfer system of claim 47
2 further including means for connecting to the receiving station using a predetermined
3 communication protocol.

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

1 50. (Previously presented) The portable image transfer system of claim 47
2 wherein the CPU is further configured to connect to an external printing device via the cellular
3 telephone transmitter.

1 51. (Previously presented) The portable image transfer system of claim 47
2 wherein the link is further for sending data from the CPU to the receiving station.

1 52. (Currently amended) A portable image transfer system comprising:
2 a digital still camera, at a remote station, which captures one or more images in
3 digital form and stores the images in a camera memory;
4 a cellular telephone transmitter for communication with a receiving station;
5 circuitry to produce information relating to the location of the portable image
6 transfer system;
7 a central processing unit (CPU); and
8 a link for receiving data from the receiving station to the CPU,
9 the CPU being coupled to the camera memory, to the circuitry, and to the cellular
10 telephone transmitter, the CPU being configured to control the camera memory to produce
11 output data representing a combination of the images and the location information, the CPU
12 further being configured to control the cellular telephone transmitter to transmit the output data
13 from the camera memory to the receiving station[.],

14 wherein the output data is transmitted to the receiving station when the receiving
15 station transmits a first command to the portable image transfer apparatus.

1 53. (Previously presented) The portable image transfer system of claim 52
2 wherein the output data represent the images and the location information in an electronic mail
3 message.

1 54. (Previously presented) The portable image transfer system of claim 52
2 further including means for connecting to the receiving station using a predetermined
3 communication protocol.

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

1 55. (Previously presented) The portable image transfer system of claim 52
2 wherein the CPU is further configured to connect to an external printing device via the cellular
3 telephone transmitter.

1 56. (Previously presented) The portable image transfer system of claim 52
2 wherein the link is further for sending data from the CPU to the receiving station.

1 57. (Currently amended) A portable image transfer apparatus comprising:
2 a cellular telephone transmitter component;
3 an image capture component for producing digital images;
4 a memory operatively coupled to the image capture interface to receive and store
5 one or more digital images;
6 a controller coupled to the memory and to the cellular telephone transmitter, the
7 controller configured to produce output data representing the images, the controller further
8 configured to control the cellular telephone transmitter to communicate with a receiving station
9 to transmit the output data from the camera memory to the receiving station; and
10 a link for receiving data from the receiving station[.];
11 wherein the output data is transmitted to the receiving station when the receiving
12 station transmits a first command to the portable image transfer apparatus.

1 58. (Previously presented) The portable image transfer system of claim 57
2 wherein the image capture component is a digital camera.

1 59. (Previously presented) The portable image transfer system of claim 57
2 wherein the image capture component is an interface to a digital camera.

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

1 60. (Previously presented) An image processing system comprising:
2 a communication component for receiving image data originating from a cellular
3 telephone device, the cellular telephone device comprising an image transfer apparatus as recited
4 in claim 59;

5 an image data store for storing the image data; and
6 a controller coupled to the communication component and to the image data store,
7 the controller configured to process the image data and to communicate the image data over the
8 Internet.

1 61. (Previously presented) The portable image transfer system of claim 57
2 wherein the controller is further configured to receive one or more images from the receiving
3 station.

1 62. (Previously presented) The portable image transfer system of claim 57
2 wherein the controller is further configured to communicate with the receiving station using a
3 predetermined communication protocol.

1 63. (Previously presented) The portable image transfer system of claim 57
2 wherein the controller is further configured to communicate with the receiving station to send the
3 image over the Internet.

1 64. (Previously presented) The portable image transfer system of claim 57 ,
2 wherein the controller is further configured to format the images into one or more electronic mail
3 messages prior to transmission by the cellular telephone transmitter.

1 65. (Previously presented) The portable image transfer system of claim 64
2 wherein the one or more electronic mail messages is provided in MIME format.

Appl. No. 09/656,039
Supplemental Amdt. sent February 4, 2005

PATENT

1 66. (Previously presented) The portable image transfer system of claim 57,
2 wherein the cellular telephone transmitter comprises:
3 a standard cellular telephone; and
4 a cellular modem.

1 67. The portable image transfer system of claim 57, wherein the controller is
2 further configured to encrypt image data prior to transmission by the cellular telephone
3 transmitter.

1 68. The portable image transfer system of claim 57, wherein the controller is
2 further configured to control the image capture device to periodically capture images and to
3 periodically transmit image data to the receiving station.

1 69. (Previously presented) An image processing system comprising:
2 a communication component for receiving image data originating from a cellular
3 telephone device, the cellular telephone device comprising an image transfer apparatus as recited
4 in claim 57;

5 an image data store for storing the image data; and
6 a controller coupled to the communication component and to the image data store,
7 the controller configured to process the image data and to communicate the image data over the
8 Internet.

1 70. (Previously presented) The image processing system of claim 69 wherein
2 the controller is further configured to transmit one or more images to the cellular telephone
3 device.

1 71. (Previously presented) The image processing system of claim 57 wherein
2 the link is further for sending data to the receiving station.

1 72. (Previously presented) The image processing system of claim 57 wherein
2 the link is further for sending data from the CPU to the receiving station.